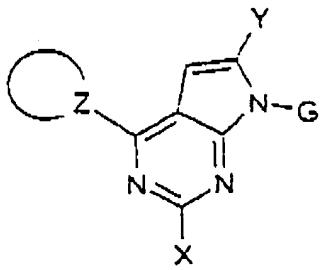
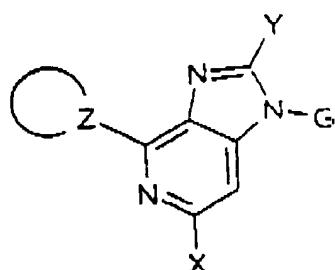
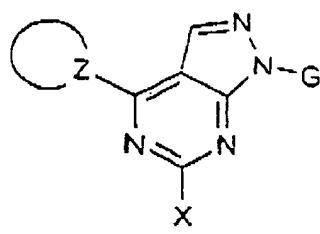


In the Claims:

Claim 1 (currently amended) A compound selected from the group consisting of a compound of the formula

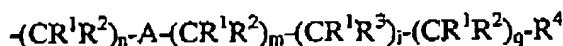


and



wherein the cycle attached to Z is a 6-membered ring which contains Z and to which the tetrahydronaphthyridine residue group is bonded

in which G is



A is selected from the group consisting of a direct bond, $-C(O)NR^5-$, $-NR^5C(O)-$, $-C(O)-$, $-NR^5-$, $-O-$, $-S-$, $-S(O)-$, $-S(O)_2-$, (C_2-C_4) -alkynediyl, (C_2-C_4) -alkenediyl, and (C_5-C_{14}) -arylene where in the arylene residue one, two, three, four or five ring carbon atoms can be replaced by a heteroatom selected from the group consisting of nitrogen, oxygen and sulfur, or a divalent 3-membered to 7-membered saturated or unsaturated ring which can contain one or two ring heteroatoms selected from the group consisting of nitrogen, sulfur and oxygen and which can be monosubstituted or disubstituted

by a member selected from the group consisting of =O, =S and R³;

B are is individually selected from the group consisting of (C₁-C₁₂)-alkyl, (C₃-C₁₄)-cycloalkyl, (C₃-C₁₄)-cycloalkyl-(C₁-C₈)-alkyl, (C₅-C₁₄)-aryl, (C₅-C₁₄)-aryl-(C₁-C₈)-alkyl, (C₅-C₁₄)-heteroaryl, (C₅-C₁₄)-heteroaryl-(C₁-C₈)-alkyl, fluorine, chlorine, bromine, hydroxy, cyano, trifluoromethyl, nitro, hydroxycarbonyl, (C₁-C₆)-alkoxy, (C₁-C₆)-alkoxy-(C₁-C₆)-alkyl, (C₁-C₆)-alkoxy carbonyl, (C₁-C₆)-alkylcarbonyl, (C₅-C₁₄)-arylcarbonyl, (C₁-C₆)-alkylamino-carbonyl, (C₁-C₆)-alkoxy-(C₁-C₆)-alkoxy, (C₅-C₁₄)-aryl-(C₁-C₈)-alkylcarbonyl, (C₁-C₆)-alkanoylamino, (C₁-C₆)-alkylsulfonylamino, (C₅-C₁₄)-arylsulfonylamino, (C₁-C₆)-alkylamine, di((C₁-C₆)-alkyl)amino, (C₁-C₆)-alkylsulfonyl, aminosulfonyl, (C₅-C₁₄)-arylsulfonyl, (C₅-C₁₄)-aryl-(C₁-C₈)-alkylsulfonyl, (C₅-C₁₄)-aryl and (C₅-C₁₄)-heteroaryl,

X is selected from the group consisting of hydrogen, NR⁶R⁶, fluorine, chlorine, bromine, -OR⁶, -SR⁶, hydroxy-(C₁-C₆)-alkyl-NH-, (hydroxy-(C₁-C₆)-alkyl)₂N-, amino-(C₁-C₆)-alkyl-NH-, (amino-(C₁-C₆)-alkyl)₂N-, hydroxy-(C₁-C₆)-alkyl-O-, hydroxy-(C₁-C₆)-alkyl-S- and -NH-C(O)-R⁶) the alkyl being 1 to 6 carbon atoms;

Y is selected from the group consisting of R⁶, fluorine, chlorine, bromine, cyano, -NR⁶R⁶-, -OR⁶, -SR⁶ and hydroxy-(C₁-C₆)-alkyl-NH-;

Z is N or $\begin{array}{c} / \\ -\text{CH}- \\ \backslash \end{array}$;

R¹ and R² are individually selected from the group consisting of hydrogen, fluorine, chlorine, cyano, nitro, (C₁-C₁₀)-alkyl, (C₃-C₁₄)-cycloalkyl, (C₃-C₁₄)-cycloalkyl-(C₁-C₈)-alkyl-, (C₅-C₁₄)-aryl, (C₅-C₁₄)-aryl-(C₁-C₈)-alkyl-, (C₅-C₁₄)-heteroaryl, (C₅-C₁₄)-heteroaryl-(C₁-C₈)-alkyl-, R⁶-O-R⁷, R⁶-S(O)_p-R⁷, R⁶S(O)₂NHR⁷, R⁶OC(O)NHR⁷ and R⁶R⁶N-R⁷;

R^3 is selected from the group consisting of hydrogen, fluorine, chlorine, cyano, nitro, (C_1 - C_{18})-alkyl, (C_2) to C_{18} -alkenyl, (C_2 to C_{18})-alkenyl (C_3 - C_{14})-cycloalkyl, (C_3 - C_{14})-cycloalkyl-(C_1 - C_8)-alkyl-, (C_5 - C_{14})-aryl, (C_5 - C_{14})-aryl-(C_1 - C_8)-alkyl-, (C_5 - C_{14})-heteroaryl, (C_5 - C_{14})-heteroaryl-(C_1 - C_8)-alkyl-, R^6 -O- R^7 , R^6 R 6 N- R^7 , R^6 C(O)-O- R^7 , R^6 C(O)R 7 , R^6 OC(O)R 7), (R^6 N(R^6)C(O)OR 7 , R^6 S(O) $_p$ N(R^5)R 7 , R^6 OC(O)N(R^5)R 7 , R^6 C(O)N(R^5)R 7 , R^6 N(R^6)C(O)N(R^5)R 7 , R^6 N(R^6)S(O) $_p$ N(R^5)R 7 , R^6 S(O) $_p$ R 7 , R^6 SC(O)N(R^5)R 7 , R^6 N(R^6)C(O)R 7 and R^6 N(R^6)S(O) $_p$ R 7 , where alkyl, cycloalkyl, aryl, and heteroaryl can be monosubstituted or polysubstituted by a member selected from the group consisting of R^6 , fluorine, chlorine, bromine, cyano, trifluoromethyl, R^6 R 6 NR 7 , nitro, R^6 OC(O)R 7 , R^6 C(O)R 7 , R^6 N(R^6)C(O)R 7 , R^6 N(R^6)S(O) $_p$ R 7 and R^6 -O- R^7 , and where all R^3 's are independent of one another and can be identical or different;

R^4 is selected from the group consisting of -C(O)R 8 , -C(S)R 8 , -S(O) $_p$ R 8 , -S(O) $_p$ R 8 , -P(O)R 8 R 8 and a 4-membered to 8-membered saturated or unsaturated heterocycle which contains 1, 2, 3 or 4 heteroatoms selected from the group consisting of nitrogen, oxygen and sulfur;

R^5 is selected from the group consisting of hydrogen, (C_1 - C_{10})-alkyl, (C_3 - C_{14})-cycloalkyl-(C_1 - C_8)-alkyl-, (C_5 - C_{14})-aryl and (C_5 - C_{14})-aryl-(C_1 - C_8)-alkyl,

R^6 and R^6 ' are individually selected from the group consisting of hydrogen, (C_1 - C_{18})-alkyl, (C_3 - C_{14})-cycloalkyl, (C_3 - C_{14})-cycloalkyl-(C_1 - C_8)-alkyl-, (C_5 - C_{14})-aryl, (C_5 - C_{14})-aryl-(C_1 - C_8)-alkyl-, (C_5 - C_{14})-heteroaryl and (C_5 - C_{14})-heteroaryl-(C_1 - C_8)-alkyl- where aryl, heteroaryl, cycloalkyl and alkyl can be substituted one, two or three times by individual substituents selected from the group consisting of fluorine, chlorine, bromine, cyano, trifluoromethyl, nitro, hydroxycarbonyl-, (C_1 - C_6)-alkyl, (C_1 - C_6)-alkoxy, (C_1 - C_6)-alkoxy-(C_1 - C_6)-alkyl-, (C_1 - C_6)-alkoxycarbonyl-, (C_1 - C_6)-alkylcarbonyl-, (C_1 - C_6)-alkylaminocarbonyl-, (C_1 - C_6)-alkoxy-(C_1 - C_6)-alkoxy-, (C_5 - C_{14})-arylcarbonyl-, (C_5 - C_{14})-aryl-(C_1 - C_8)-alkylcarbonyl-, (C_1 - C_6)-alkanoylamino-, (C_5 - C_{14})-

arylsulfonylamino-, (C₁-C₆)-alkylsulfonylamino-, (C₁-C₆)-alkylamino-, di-((C₁-C₆)-alkyl)amino-, (C₁-C₆)-alkylsulfonyl-, (C₁-C₆)-alkylaminosulfonyl-, (C₅-C₁₄)-arylaminosulfonyl-, (C₅-C₁₄)-aryl-(C₁-C₈)-alkylaminosulfonyl, (C₅-C₁₄)-arylsulfonyl-, (C₅-C₁₄)-aryl-(C₁-C₈)-alkylsulfonyl, (C₅-C₁₄)-aryl and (C₅-C₁₄-heteroaryl;

R⁷ is (C₁-C₄)-alkanediyl or a direct bond, where all R⁷ are independent of one another and can be identical or different;

R⁸ and R^{8'} are individually selected from the group consisting of hydroxy, (C₁-C₈)-alkoxy, (C₅-C₁₄)-aryl-(C₁-C₈)-alkoxy-, (C₅-C₁₄)-aryloxy, (C₁-C₈)-alkylcarbonyloxy-(C₁-C₄)-alkoxy-, (C₅-C₁₄)-aryl-(C₁-C₈)-alkylcarbonyloxy-(C₁-C₈)-alkoxy-, NR⁶R^{6'}, (di-((C₁-C₈)-alkyl)amino)carbonylmethoxy-, (C₅-C₁₄)-arylarnino-, an amino acid, N-((C₁-C₄)-alkyl)piperidin-4-yloxy-, 2-methylsulfonylethoxy-, 1,3-thiazol-2-ylmethoxy-, 3-pyridylmethoxy-, 2-(di-((C₁-C₄)-alkyl)amino)-ethoxy and Q⁻(CH₃)₃N⁺-CH₂-CH₂-O- in which Q⁻ is a physiologically tolerable anion;

n is zero, one, two, three, four or five;

m is zero, one, two, three, four or five;

i is zero or one;

q is zero, one or two;

r is zero, one or two;

s is zero, one, two or three;

t is zero, one, two, three, four, five, six, seven or eight;

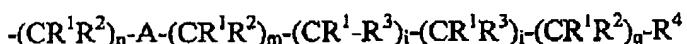
p is zero, one or two, where all numbers p are independent of one another and can be identical or different;

in all their stereoisomeric forms and mixtures thereof in all ratios, and their non-toxic,

physiologically tolerable salts, and acyl and carbonate prodrugs thereof.

Claim 2 (currently amended)

A compound of claim 1, wherein G is



A is selected from the group consisting of a direct bond,

-C(O)NR⁵-, -NR⁵C(O)-, -C(O)-, -NR⁵-, -O-, -S-, -S(O)-, -S(O)₂-, (C₂-C₄)-alkynediyl, (C₂-C₄)-alkenediyl, (C₅-C₁₄)-arylene where in the arylene residue one, two, three, four or five ring carbon atoms can be replaced by a heteroatom selected from the group consisting of nitrogen, oxygen and sulfur, and a divalent residue of a 3-membered to 7-membered saturated or unsaturated ring which can contain one or two ring heteroatoms selected from the group consisting of nitrogen, sulfur and oxygen and which can be monosubstituted or disubstituted by a member selected from the group consisting of =O, =S and R³;

B is selected from the group consisting of (C₁-C₁₂)-alkyl, (C₃-C₁₄)-cycloalkyl, (C₃-C₁₄)-cycloalkyl-(C₁-C₈)-alkyl, (C₅-C₁₄)-aryl, (C₅-C₁₄)-aryl-(C₁-C₈)-alkyl, (C₅-C₁₄)-heteroaryl, (C₅-C₁₄)-heteroaryl-(C₁-C₈)-alkyl, fluorine, chlorine, bromine, hydroxy, cyano, trifluoro-methyl, nitro, hydroxycarbonyl, (C₁-C₆)-alkoxy, (C₁-C₆)-alkoxy-(C₁-C₆)-alkyl, (C₁-C₆)-alkylcarbonyl, (C₅-C₁₄)-arylcarbonyl, (C₅-C₁₄)-aryl-(C₁-C₈)-alkylcarbonyl, (C₁-C₆)-alkylaminocarbonyl, (C₁-C₆)-alkanoylamine, (C₁-C₆)-alkylsulfonylamine, (C₅-C₁₄)-aryl-sulfonylamine, (C₅-C₁₄)-alkylamine-di((C₁-C₆)-alkyl)amine, (C₁-C₆)-alkylsulfonyl, (C₅-C₁₄)-arylsulfonyl, (C₅-C₁₄)-aryl-(C₁-C₈)-alkylsulfonyl, (C₅-C₁₄)-aryl and (C₅-C₁₄)-heteroaryl, where all Bs are independent of one another and can be identical or different;

X is selected from the group consisting of hydrogen, NH₂, -NH-C(O)-R⁶ and OH;

Y is hydrogen;

Z is N;

R¹ and R² are independently selected from the group consisting of hydrogen, fluorine, chlorine, cyano, nitro, (C₁-C₁₀)-alkyl, (C₃-C₁₄)-cycloalkyl, (C₃-C₁₄)-cycloalkyl-(C₁-C₈)-alkyl-, (C₅-C₁₄)-aryl, (C₅-C₁₄)-aryl, (C₅-C₁₄)-aryl-(C₁-C₈)-alkyl-, (C₅-C₁₄)-heteroaryl, (C₅-C₁₄)-heteroaryl-(C₁-C₈)-alkyl-, R⁶-O-R⁷, R⁶S(O)₂NHR⁷, R⁶OC(O)NHR⁷ and R⁶R⁶N-R⁷;

R³ is selected from the group consisting of hydrogen, fluorine, chlorine, cyano, nitro, (C₁-C₁₈)-alkyl, (C₂-C₁₈)-alkenyl, (C₂-C₁₈)-alkynyl, (C₃-C₁₄)-cycloalkyl, (C₃-C₁₄)-cycloalkyl-(C₁-C₈)-alkyl, (C₅-C₁₄)-aryl, (C₅-C₁₄)-aryl-(C₁-C₈)-alkyl-, (C₅-C₁₄)-heteroaryl, (C₅-C₁₄)-heteroaryl-(C₁-C₈)-alkyl-, R⁶-O-R⁷, R⁶R⁶N-R⁷, R⁶C(O)-O-R⁷, R⁶C(O)R⁷, R⁶N(R⁶)C(O)OR⁷, R⁶S(O)_pN(R⁵)R⁷, R⁶OC(O)N(R⁵)R⁷, R⁶C(O)N(R⁵)R⁷, R⁶N(R⁶)C(O)N(R⁵)R⁷, R⁶N(R⁶)S(O)_pN(R⁵)R⁷, R⁶S(O)_pR⁷, R⁶SC(O)N(R⁵)R⁷, R⁶N(R⁶)C(O)R⁷ and R⁶N(R⁶)S(O)_pR⁷, where alkyl, cycloalkyl, aryl and heteroaryl can be monosubstituted or polysubstituted by a member selected from the group consisting of R⁶, fluorine, chlorine, bromine, cyano, trifluoromethyl, R⁶R⁶NR⁷, nitro, R⁶OC(O)R⁷, R⁶C(O)R⁷, R⁶N(R⁶)C(O)R⁷, R⁶N(R⁶)S(O)_pR⁷ and R⁶-O-R⁷, and where all R³ are independent of one another and can be identical or different;

R⁴ is -C(O)R⁸ or -P(O)R⁸R⁹;

R⁵ is selected from the group consisting of hydrogen, (C₁-C₁₀)-alkyl, (C₃-C₁₄)-cycloalkyl-(C₁-C₈)-alkyl- and (C₅-C₁₄-aryl-(C₁-C₈)-alkyl-, where all R⁵ are independent of one another and can be identical or different;

R⁶ and R⁶ are individually selected from the group consisting of hydrogen, (C₁-C₁₂)-alkyl,

(C₃-C₁₄)-cycloalkyl, (C₃-C₁₄)-cycloalkyl-(C₁-C₈)-alkyl-, (C₅-C₁₄)-aryl, (C₅-C₁₄)-aryl-(C₁-C₈)-alkyl-, (C₅-C₁₄)-heteroaryl and (C₅-C₁₄)-heteroaryl-(C₁-C₈)-alkyl- where aryl, heteroaryl, cycloalkyl and alkyl can be substituted one, two or three times by individual substituents selected from the group consisting of fluorine, chlorine, bromine, cyano, trifluoromethyl, nitro, hydroxycarbonyl-, (C₁-C₆)-alkyl, (C₁-C₆)-alkoxy-, (C₁-C₆)-alkoxy-(C₁-C₆)-alkyl, (C₅-C₁₄)-arylcarbonyl-, (C₅-C₁₄)-aryl-(C₁-C₆)-alkylcarbonyl-, (C₁-C₆)-alkanoylamino-, (C₅-C₁₄)-arylsulfonylamino-, (C₁-C₆)-alkylsulfonylamino-, (C₁-C₆)-alkylamino-, di((C₁-C₆)-alkyl)amino-, (C₁-C₆)-alkylsulfonyl-, (C₅-C₁₄)-aryl and (C₅-C₁₄)-heteroaryl, and where all R₆ and R_{6'} are independent of one another and can be identical or different;

R⁷ is (C₁-C₄)-alkanediyl or a direct bond, where all R⁷ are independent of one another and can be identical or different;

R⁸ and R^{8'} are individually selected from the group consisting of (C₁-C₈)-alkoxy, (C₅-C₁₄)-aryl-(C₁-C₈)-alkoxy-, (C₁-C₈)-alkylcarbonyloxy-(C₁-C₄)-alkoxy- and NR⁶R^{6'} where all R⁸ and R^{8'} are independent of one another and can be identical or different;

n is zero, one, two, three, four or five;

m is zero, one, two, three, four or five;

i is zero or one;

q is zero, one or two;

r is zero, one or two;

s is zero, one, two or three;

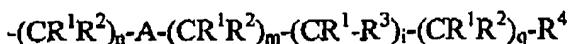
t is zero, one, two, three, four, five, six, seven or eight;

p is zero, one or two, where all numbers p are independent of one another and can be identical or different;

in all their stereoisomeric forms and mixtures thereof in all ratios, and their non-toxic, physiologically tolerable salts.

Claim 3 (currently amended)

A compound of claim 1 wherein G is



A is selected from the group consisting of a direct bond, $-C(O)NR^5-$, $-NR^5C(O)-$, $-C(O)-$, $-NR^5-$ and (C_5-C_{14}) -arylene where in the arylene, one or two ring carbon atoms can be replaced by a heteroatom selected from the group consisting of nitrogen, oxygen and sulfur;

B is selected from the group consisting of (C_1-C_6) -alkyl, chlorine, hydroxy, cyano, trifluoromethyl, (C_1-C_6) -alkoxy, (C_1-C_6) -alkylcarbonyl, (C_1-C_6) -alkanoylamino, (C_1-C_6) -alkylamino and di((C_1-C_6) -alkyl)amino, where all Bs are independent of one another and can be identical or different;

X is hydrogen;

Y is hydrogen;

Z is N;

R¹ and R² are individually selected from the group consisting of hydrogen, (C_1-C_4) -alkyl, R⁶S(O)₂NHR⁷ and R⁶OC(O)NHR⁷;

R³ is selected from the group consisting of hydrogen, (C_1-C_{12}) -alkyl, $(C_2$ to $C_{18})$ -alkenyl, (C_2-C_{18}) -alkynyl, (C_3-C_{14}) -cycloalkyl, (C_3-C_{14}) -cycloalkyl-(C₁-C₆)-alkyl-, (C_5-C_{14}) -aryl, (C_5-C_{14}) -aryl-(C₁-C₆)-alkyl-, (C_5-C_{14}) -heteroaryl, (C_5-C_{14}) -heteroaryl-(C₁-C₆)-alkyl-, R⁶R⁶N-R⁷, R⁶S(O)₂N(R⁵)R⁷, R⁶OC(O)N(R⁵)R⁷ and R⁶C(O)N(R⁵)R⁷, where alkyl, cycloalkyl, aryl, and heteroaryl can be monosubstituted or polysubstituted by a member selected from the group consisting of R⁶, fluorine, chlorine, trifluoromethyl, R⁶C(O)R⁷ and R⁶O-R⁷;

R⁴ is -C(O)R⁸;

R⁵ is hydrogen or (C₁-C₄)-alkyl, where all R₅s are independent of one another and can be identical or different;

R⁶ and R⁶' are individually selected from the group consisting of hydrogen, (C₁-C₁₂)-alkyl, (C₃-C₁₄)-cycloalkyl, (C₃-C₁₄)-cycloalkyl-(C₁-C₈)-alkyl-, (C₅-C₁₄)-aryl, (C₅-C₁₄)-aryl-(C₁-C₈)-alkyl-, (C₅-C₁₄)-heteroaryl and (C₅-C₁₄)-heteroaryl-(C₁-C₈)-alkyl- where aryl, heteroaryl, cycloalkyl and alkyl can be substituted one, two or three times by members selected from the group consisting of fluorine, chlorine, bromine, cyano, trifluoromethyl, (C₁-C₆)-alkyl, (C₁-C₆)-alkoxy-, (C₁-C₆)-alkylamino-, di-((C₁-C₆)-alkyl)amino-, (C₅-C₁₄)-aryl and (C₅-C₁₄)-heteroaryl, and where all R⁶'s and R⁶'s are independent of one another and can be identical or different;

R⁷ is (C₁-C₂)-alkanediyl or a direct bond, where all R⁷'s are independent of one another and can be identical or different;

R⁸ is hydroxy or (C₁-C₆)-alkoxy;

n is zero, one, two, three, four or five;

m is zero or one;

i is zero or one;

q is zero or one;

r is zero or one;

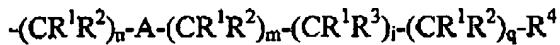
s is zero, one or two;

t is zero, one, two, three or four;

in all their stereoisomeric forms and mixtures thereof in all ratios, and their non-toxic physiologically tolerable salts.

Claim 4 (currently amended)

A compound of claim 1 wherein G is



A is a direct bond;

B is (C_1-C_6)-alkyl or hydroxy, where all Bs are independent of one another and can be identical or different;

X is hydrogen;

Y is hydrogen;

heteroaryl, and where all R⁶s and R⁶'s are independent of one another and can be identical or different;

R⁷ is a direct bond;

R⁸ is hydroxy or (C_1-C_4)-alkoxy;

n is zero, one or two;

m is zero or one;

i is zero or one;

q is zero or one;

r is zero or one;

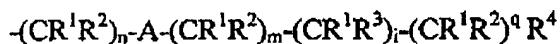
s is zero, one or two;

t is zero;

in all their stereoisomeric forms and mixtures thereof in all ratios, and their non-toxic, physiologically tolerable salts.

Claim 5 (previously presented)

A compound of claim 1 wherein G is



A is a direct bond;

X is hydrogen;

Y is hydrogen;

Z is N;

R¹ and R² are hydrogen or (C₁-C₂)-alkyl, where all R's and R2s are independent of one another and can be identical or different;

R³ is selected from the group consisting of R⁶R⁶N-R⁷, R⁶S(O)₂N(R⁵)R⁷ and R⁶C(O)N(R⁵)R⁷;

R⁴ is -C(O)R⁸;

R⁵ is hydrogen or (C₁-C₂)-alkyl;

R⁶ and R⁶ are individually selected from the group consisting of hydrogen, (C₁-C₁₂)-alkyl, (C₃-C₁₄)-cycloalkyl, (C₃-C₁₄)-cycloalkyl-(C₁-C₈)-alkyl-, (C₅-C₁₄)-aryl, (C₅-C₁₄)-aryl-(C₁-C₈)-alkyl, (C₅-C₁₄)-aryl, (C₅-C₁₄)-aryl-(C₁-C₈)-alkyl-, (C₅-C₁₄)-heteroaryl and (C₅-C₁₄)-heteroaryl-(C₁-C₈)-

alkyl- where aryl, heteroaryl, cycloalkyl and alkyl can be substituted one, two or three times by at least one substituent selected from the group consisting of fluorine, chlorine, bromine, cyano, trifluoromethyl, (C₁-C₆)-alkyl, (C₁-C₆)-alkoxy, (C₁-C₆)-alkylamino-, di-((C₁-C₆)-alkyl)amino-, (C₅-C₁₄)-aryl and (C₅-C₁₄)-heteroaryl, and where the R⁶'s and R⁶'s are independent of one another and can be identical or different;

R⁷ is a direct bond;

R⁸ is hydroxy or (C₁-C₄)-alkoxy;

n is zero, one or two;

m is zero or one;

i is zero or one;

q is zero or one;

r is zero;

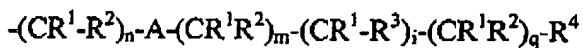
s is zero;

t is zero;

in all their stereoisomeric forms and mixtures thereof in all ratios, and their non-toxic, physiologically tolerable salts.

Claim 6 (previously presented)

A compound of claim 1 wherein G is



A is a direct bond;

X is hydrogen;

Y is hydrogen;

Z is N;

R₁ and R² are hydrogen;

R³ is R⁶S(O)₂N(R⁵)R⁷ or R⁶OC(O)N(R⁵)R⁷;

R⁴ is -C(O)R⁸;

R⁵ is hydrogen;

R⁶ is selected from the group consisting of (C₁-C₁₂)-alkyl, (C₃-C₁₄)-cycloalkyl, (C₃-C₁₄)-cycloalkyl-(C₁-C₈)-alkyl-, (C₅-C₁₄)-aryl, (C₅-C₁₄)-aryl-(C₁-C₈)-alkyl-, (C₅-C₁₄)-heteroaryl and (C₅-C₁₄)-heteroaryl-(C₁-C₈)-alkyl- where aryl, heteroaryl, cycloalkyl and alkyl can be substituted one, two or three times by at least one substituent selected from the group consisting of fluorine, chlorine, bromine, cyano, trifluoromethyl, (C₁-C₆)-alkyl, (C₁-C₆)-alkoxy, (C₁-C₆)-alkylamino, di-((C₁-C₆)-alkyl)amino-, (C₅-C₁₄)-aryl and (C₅-C₁₄)-heteroaryl;

R⁷ is a direct bond;

R⁸ is hydroxy or (C₁-C₄)-alkoxy;

n is one;

m is zero;

i is one;

q is zero;

r is zero;

s is zero;

t is zero;

in all their stereoisomeric forms and mixtures thereof in all ratios, and their non-toxic, physiologically tolerable salts.

Claim 7 (cancelled).

Claim 8 (previously presented) A pharmaceutical composition, comprising an amount of a compound of claim 1 sufficient to act as a vitronectin receptor antagonist and a pharmaceutically acceptable carrier.

Claims 9 and 10 (cancelled).

Claim 11. (previously presented) A method of treating bone disorders in warm-blooded animals comprising administering to warm-blooded animals in need thereof an amount of compound of claim 1 sufficient to treat bone disorders.